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rian); Recent Science, Prince Krapotkin (*Dec. Nineteenth Century*).

Nature has reprinted (Dec. 13 and 20) in full the interesting address on *Endowment for Scientific Research and Publication* given by Mr. Addison Brown before the Scientific Alliance of New York, and published in the Report of the Smithsonian Institution for 1892.

Mr. Kumagusu Minakata has written, in view of the claims of priority recently made by two English writers, a letter to *Nature* (December 27), calling attention to the use of 'finger-prints' as a means of signing documents and identification in the laws and usage of China and Japan as early as 650 A. D.

The *Naturwissenschaftliche Rundschau* is publishing in its current numbers an account of the sixty-sixth *Versammlung der Gesellschaft deutscher Naturforscher und Aerzte*, held last year in Vienna.

FORTHCOMING PUBLICATIONS.

Following the publication of H. M. Ward's translation of Hartig's *Text-book of the Diseases of Trees*, the same publishers (Messrs. Macmillan & Co.) announce as nearly ready three other important translations: Rätzels *Völkerkunde*, translated by A. J. Butler; the article *Construction* from Viollet le Duc's *Dictionnaire raisonné de l'architecture française*, translated by G. M. Duss, and Paulsen's *Universities of Germany*, translated by E. D. Perry, of Columbia College.

There will be issued this month as a supplement to *The Psychological Review* a *Bibliography of Psychological Literature for 1894*, compiled by Dr. Livingston Farrand, of Columbia College, and Mr. Howard C. Warren, of Princeton College. The bibliography will include so far as possible all books, monographs and articles in Psychology, and those publications in philosophy, biology, anthropology, neurology

etc., which are important for psychology.

AN *Année Psychologique*, edited by Professor Alfred Binet, will be issued in March.

MESSRS. MACMILLAN & Co., announce for early publication *A Rural Science Series*, edited by Professor L. H. Bailey, of Cornell University.

SCIENTIFIC JOURNALS.

THE BOTANICAL GAZETTE, DEC.

Contribution to the comparative histology of pulvini and the resulting photoelectric movements. (With plate XXXIV.) F. D. HEALD.

Two new ferns from New England: GEORGE E. DAVENPORT.

Some notes on the Leguminosae of Siam: GLENN CULBERTSON.

Briefer Articles; Editorial; Current Literature; Notes and News; General Index.

THE PSYCHOLOGICAL REVIEW, JAN.

Hermann von Helmholtz and the New Psychology: C. STUMPF.

The Theory of Emotion (II.); The Significance of Emotions: JOHN DEWEY.

The Muscular Sense and its Localization in the Brain Cortex: M. ALLEN STARR.

A Location Reaction Apparatus: G. W. FITZ. *Discussion:*—PAUL SHOREY; H. M. STANLEY; H. R. MARSHALL; E. B. TITCHENER.

Psychological Literature; Notes.

THE ENGINEERING MAGAZINE, JAN.

Silver Coinage Historically Considered: H. D. MCLEOD.

Modern Theories as to Electricity: HENRY A. ROWLAND.

The Drainage System of the Valley of Mexico: HON. M. ROMERO.

Practical Hints for City Officials: E. C. GARDNER, LEWIS M. HAUPT.

Selecting Motive Power for a New Plant: CHARLES E. EMERY.

Plumbing Trade Schools and Their Influence: E. N. G. LEBOS.

Laboratory Training for Mining Engineers:
R. H. RICHARDS.

Operating Machine Tools by Electricity:
GEORGE RICHMOND.

First Principles in Architecture: WM. HENRY
GOODYEAR.

SOCIETIES AND ACADEMIES.

THE LINNÆAN SOCIETY.

THE Linnæan Society of New York City, in coöperation with the American Museum of Natural History, has arranged for a series of illustrated lectures to be given in the large lecture hall of the museum, on Tuesdays at 8 p. m. The lectures are:—FRANK M. CHAPMAN, assistant Curator in the American Museum of Natural History. *A Trip through the Lesser Antilles.* Physical and Natural History of the Islands, their Products and Inhabitants. January 8.

HENRY FAIRFIELD OSBORN, Sc. D., Da Costa Professor of Biology, Columbia College. *The Great West, a Half Million Years Ago.* An account of our Continent when it was separated from South America and joined to Asia, and the Climate and Vegetation were Sub-tropical. February 5.

WILLIAM LIBBEY, JR., Sc. D., Professor of Physical Geography and Director of the E. M. Museum of Geology and Archæology, Princeton College, New Jersey. *Hawaii, the Paradise of the Pacific.* March 12.

FREDERICK W. PUTNAM, Professor of American Archæology and Ethnology in Harvard University, and Curator of Anthropology in the American Museum of Natural History. *Ancient Earthworks in the Ohio Valley.* April 2.

UNIVERSITY ARCHÆOLOGICAL ASSOCIATION.

The University Archæological Association of Philadelphia offers a course of lectures to be given at 4 p. m., in the Library building of the University of Pennsylvania, as follows:—

January 9.—MR. TALCOTT WILLIAMS, *Some Morroccan Relations.*

January 16.—DR. DANIEL G. BRINTON, *The Beginnings of the Fine Arts.*

January 23.—MR. HENRY G. BRYANT, *Notes on the Most Northern Eskimos.*

January 30.—DR. HARRISON ALLEN, *The Human Skull; what is its Place in a Museum of Archæology?*

February 6.—CAPTAIN RICHARD S. COLLUM, U. S. M. C., *The Evolution of Small Arms.*

February 13.—DR. DANIEL G. BRINTON, *Love Charms and Tokens.*

February 20.—MR. STEWART CULIN, *The Wand of the Conjuror.*

STEWART CULIN, *Secretary.*

THE ROCHESTER ACADEMY OF SCIENCE.

Program of Meetings, 1895.

January 14.—Annual Meeting; Election of Officers; Illustrated Paper by the President, PROF. H. L. FAIRCHILD, *The Geology of the Pinnacle Hills.*

January 21.—EMIL KUICHLING, *The New Conduit of the Rochester Water Works.*

January 28.—Popular Lecture, J. D. MALONEE, *The Structure of Rocks as Shown by Polarized Light.*

February 11.—J. STANLEY-BROWN, *The Pribilof Islands and the Seal Industry.*

February 25.—J. EUGENE WHITNEY, *The Depotism of the Plurality.*

March 11.—CHARLES H. WARD, *The Teeth of Man.*

March 25.—PROF. W. W. ROWLEE, *The Evolution of Seeds.*

April 8.—CHARLES WRIGHT DODGE, *Diphtheria and Anti-toxine.*

April 22.—ADELBERT CRONISE, *The Panama Canal.*

May 13.—RICHARD M. MOORE, *The Coleopterous Fauna of Rochester and Vicinity.*

May 27.—H. L. FAIRCHILD, *Glacial Lakes of Western New York.*

June 10.—H. L. FAIRCHILD, *The Geology of Irondequoit Bay.*